BOOK

adth 5	Depth 6	Contents 7	Reference to last Measurement 8

Final bill
Recorded on:- 27.07.2018

Work Code:- 006-15-000037.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Work order No:- EE/BTP/BBMP/E-Prnt/79/2016-2017 Date:- 22/07/2016

Serial No. .....Improvements to Roads and Drains at Thanisandra Govt School

Name of Work ..Back Side & Anjanadri Layout in Ward No-06 Byatarayanapura Sub Division

Name of Contractor of nature of Agency Sri. Nithin.R No-58, Muneshwara Layout 5th Cross Bangalore-61

Date of commencement of work ..... P.R- 436/31-8-16 Modified Cost Rs:- 2735948.15

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	① KSRB 2-1-1: Earth work in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings Culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per Specifications & directions of the engineer in charge of the work.						
	Quantity vide AS per Pre-measurement are recorded in this MB and page No of:- 262281-262282:- 297.12 m³						
	@Rs. 145.00						43,082.40

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	② KSRB 2.2.1: Earth work excavation for foundation of buildings, Culverts water Supply, Sanitary line and electrical Conduits either in pits or in trenches 1.5m and above in width, in Hard Soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, Stacking the excavated soil clear from edges of excavation with lead up to 50m, after breaking of clods Complete as per Specifications and directions of the engineer in charge of the work. Quantity vide, As per pre-measurement entare recorded in this MB and page no of: 862282-84 :: 216.55 m³ @ RS. 250.00						54,137.50

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	③ Providing granite slabs in Cement mortar (1: Coats thick clear per Reliance public School, Site	

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
for foundation of buildings.			
and electrical Conduits			
and above in widths, in Hard			
including dressing the bottom			
acking the excavated soil			
with lead up to 50mm, after			
pecifications and directions			
work.			
mmentare recorded			
82-84 :-		216.55 m³	54,137.50
		@ Rs. 250.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 262216

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(3)	Providing granite slabs of selected quality roughly dressed and fixed in Cement mortar (1:6) including fixing curing etc. Complete do 7.5 Cms thick slabs per Specifications.						
	Reliance public School 18 Cms:-	1x1	15.40	1.65	-	25.41	
		1x1	15.00	1.65	-	24.75	
		1x1	15.00	1.65	-	24.75	
	Cite	1x1	15.00	1.65	-	24.75	
		1x1	15.00	1.65	-	24.75	
		1x1	15.00	1.65	-	24.75	
		1x1	15.00	1.65	-	24.75	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2nd Floor:-						
	site	1	15.00	1.65	-	24.75	
	on	1	15.00	1.65	-	24.75	
	..	1	4.00	1.65	-	6.60	
	3rd Floor:-	2	15.00	1.65	-	49.50	
		2	15.00	1.65	-	49.50	
	site	2	15.00	1.65	-	49.50	
	on	2	15.00	1.65	-	49.50	
	..	2	10.00	1.65	-	33.00	
	4th Floor:-	1	11.40	1.65	-	18.81	
	site	1	15.00	1.65	-	24.75	
	on	1	15.00	1.65	-	24.75	
	..	1	15.00	1.65	-	24.75	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ..

Date	Full description, etc, of w
1	2
	5th
	6th
	L.

OOK

Depth 6	Contents 7	Reference to last Measurement 8
-	24.75	
-	24.75	
-	6.60	
-	49.50	
-	49.50	
-	49.50	
-	49.50	
-	33.00	
-	18.81	
-	24.75	
-	24.75	
-	24.75	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262217

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	5th Floor:-	1×1	19.70	1.65	-	32.50	
	Cafe	1×1	15.00	1.65	-	24.75	
	only	1×1	15.00	1.65	-	24.75	
	6th Floor:-	1×1	13.50	1.65	-	22.27	
	Cafe	1×1	15.00	1.65	-	24.75	
	only	1×1	15.00	1.65	-	24.75	
						683.09 m²	
	Limited to modified schedule Qty:-					594.00 m²	
					@ Rs.	600.00	3,56,400.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(4) KSRB 4-1-3: Providing and laying in position plain Cement Concrete of mix on 1:4:8 with 40 Cement at 180 Kgs, with 40mm and down size graded granite metal Coarse aggregates @0.892 Cum & fine aggregates @0.57 Cumm machine mixed. Concrete laid in layers not exceeding 15cms thick, well Compacted in foundations & plinth, including cost of all materials, labour, Hire of machinery. Curing Complete as per Specifications.						
	Quantity vide, AE per pre-measurement recorded in this MB and page no of:- 262284-86:-					227.07 m^3	10.89936.00
						C.R.S. 4800.00	
	(5) KSRB 5.2.3 Providing and Constructing granite/ trap/ basalt Size stone masonry in foundation with Cement mortar 1:6						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Stone hammered dre... stones at two... apo... labour, curing Comp...
	1st Gross:-
	C sft
	3rd Gross:-
	(6) KSRB 5.3-3 Provid...

OK

Depth 6	Contents 7	Reference to last Measurement 8
...on plain Cement Concrete ...gs, with 40mm and down size ...ates @ 0.892 cum & fine ...d. Concrete laid in layers ...ted in foundations & plinth ...ham of machinery. Curing		
...ensions recorded		
...G:- 227.07 m³	10.89936.00	
...@ Rs. 4800.00		
...ng granite/trap/basalt ...with Cement mortar 1:6		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262218

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Stone hammered dressed in courses not less than 20 cms high, bond stones at two mtr. apart in each course including cost of materials labour, curing complete as per Specifications.						
	1st Gross:-	1 x 2	6.50	0.60	0.45	3.51	
	C/F	1 x 2	6.50	0.60	0.45	3.51	
	2nd Gross:-	1 x 2	6.50	0.60	0.45	3.51	
						10.53 m³	41,067.00
					@ Rs.	3900.00	
	⑥ KSRB 5.3-3 Providing and Constructing granite/trap/basalt						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Size stone masonary in basement with Cement mortar 1:6, edges of stones chistle dressed in Courses not less Than 15cms high. bond stones at two mt. apart in each Course including Cost of materials, labour Curing Complete as per Specifications.						
	1st Floor	1×2	6.50	0.50	0.45	2.92	
	Site	1×2	6.50	0.50	0.45	2.92	
	3rd Floor	1×2	6.50	0.50	0.45	2.92	
						8.76 m³	39420.00
					@	RS. 4500.00	
	(7) KSRB 4-6.7: Providing and removing Centering, shuttering, strutting, propping etc. and removal of formwork work for						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Sides and soffits of brickworks and li of all materials, lo
	Quantity vide, AE in Thi cms and p
	(8) KSRB 4.17: Providi Concrete of mix 1: & down Size grade

OOK

Depth 6	Contents 7	Reference to last Measurement 8
	t with Cement mortar	
	in Courses not less than	
	apportion each Course	
	n Curing Complete as per	
0.45	2.92	
0.45	2.92	
0.45	2.92	
	8.76 m³	3942.00
	@RS. 4500.00	
	g Centering, Shuttering,	
	val of formwork work for	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262219

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Sides and Soffits of beams, beam haunchings, Cantilever girders brackets and lintels not exceeding 1m in depth including Cost of all materials, labour Complete as per Specifications.						
	Quantity vide, As per pre-measurements recorded in This MB and page no of:-					26286:- 22.95 m² @RS. 250.00	5737.50
(8)	KSRB 4.17: Providing and laying in position plain Cement Concrete of mix 1:3:6 with opc Cement @ 220 kgs, with 20mm & down Size graded granite metal coarse aggregates @ 0.84 cum,						

BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
		in position plain Cement	
		ment @ 320 kgs with 20	
		to metal Coarse aggre	
		ted @ 0.459 Cum with Super	
		IS 9103 - 1999 Reffirmed	
		3 Thick, vibrated for all	
		ground floor level for	
		Cations.	
5	0.23	2.46	
5	0.23	2.46	
5	0.23	2.46	
		7.38 m³	
		@ Rs. 5801.00	42811.38

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262221

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(11)	KSRB 4.9.2 Providing Tmt steel reinforcement for RCC work in cluding Straightening, cutting, bending, hooking placing in position lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members wherever nece ssary Complete as per Specifications. Quantity vide AS per pre-measurement recorded in this and page no of:- 262287 :-					0.48 Tonnes @ Rs. 67000.00	32160.00
(12)	Providing and laying Cement Concrete using 20mm and down						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Size granite jelly of ready mixed Concrete (RMC) for R.C.C works laid in 150mm thick layers and well Compacted in vibrating. Curing. finishing with necessary Cement mortar for mm works and Scaffoldings to with Stand pumping of Concrete with all lead and lifts etc as per specifications.						
	Reliance public School						
	1st floor:	1	15.40	$\frac{6.50+6.20}{2}$	0.10	9.77	
		1	15.00	$\frac{6.20+6.80}{2}$	0.10	9.75	
		1	15.00	$\frac{6.80+6.80}{2}$	$\frac{0.10+0.12}{2}$	= 11.22	
		1	15.00	$\frac{6.80+6.90}{2}$	0.12	12.33	
		1	15.00	$\frac{6.90+6.90}{2}$	0.12	12.42	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2

DK

Depth 6	Contents 7	Reference to last Measurement 8
nGrefe (Rmc) for R.C.C		
nd well Compacted in		
Bory Cement mortar		
with Stand pumping		
of per specifications.		
0.10	9.77	
0.10	9.75	
0.10+0.12 / 2	= 11.22	
0.12	12.33	
0.12	12.42	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262222

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	15.00	(6.90+6.80)/2	0.12	12.33	
	4th Gross:-	1	11.40	(4.00+4.00)/2	0.10	4.56	
	C&FC.	1	15.00	(4.00+4.10)/2	0.10	6.07	
	No: 31/8 C&FC ಕಾ.ಪ.(ಬಾ.ಪ)	1	15.00	(4.10+4.20)/2	0.10	6.22	
		1	15.00	(4.20+4.40)/2	0.10	6.45	
	5th Gross:	1	19.70	(5.60+5.60)/2	0.10	13.00	
		1	15.00	(6.60+5.60)/2	0.10	9.15	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.00	$\frac{5.60+5.20}{2}$	0.10	8.10	
	6th Floor:	1	13.50	$\frac{4.80+5.00}{2}$	0.10	6.61	
	Staircase	1	15.00	$\frac{5.00+5.10}{2}$	0.10	7.57	
		1	15.00	$\frac{5.10+5.10}{2}$	0.10	7.65	
	Approaches:	1	6.50	2.00	0.10	1.30	
	Staircase	1	6.50	2.00	0.12	1.56	
		1	6.50	2.00	0.12	1.56	
						147.62 m³	84,120.00
					@ Rs.	5700.00	
	(13) KSRR 2600-2:(ii) Providing & fixing 20mm Thick Compre						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	sible fibre board in
	Cal specification Com
	1st Floor
	C

T BOOK

sions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
80+6.80 / 2	-	102.00	
80+6.90 / 2	-	102.75	
90+6.90 / 2	-	103.50	
90+6.80 / 2	-	102.75	
00+4.00 / 2	-	45.60	
00+4.10 / 2	-	60.75	
0+4.20 / 2	-	62.25	
00+4.40 / 2	-	64.50	
0+6.60 / 2	-	130.02	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

262225

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	6th Gross:-	1	15.00	6.60+5.60 / 2	-	91.50	
		1	15.00	5.60+5.20 / 2	-	81.00	
		1	13.50	4.80+5.00 / 2	-	66.15	
		1	15.00	5.00+5.10 / 2	-	75.75	
		1	15.00	5.10+5.10 / 2	-	76.50	
						1475.00 m²	18,53,75.00
					@Rs.	85.00	

(15) Lead for disposal of debris shall be payable at carriage rates by

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	mechanical oncarth including loading and unloading from 0.00 to 2.00 Kms ch as per specifications. Cafe Mhavalli 27/7/16 Quantity vide items no: ① + ② ∴ 573.67 m³ @ Rs. 55.00 28,251.85 AE 27.7.2016						
	Total bill Amount Rs: 27,35,742.00						
	CERTIFICATE:- ① Certified that the above work done is Satisfactorily Completed. ② Certified that the Agency has cleared the debris from the work Spot. 27.7.2016 AE Mhavalli 27/7/16						

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	L = 43.5 m 6 m Cross

K

epth 6	Contents 7	Reference to last Measurement 8
ng and unloading cations.		
:(1)+(2) ∴ 513.67m³		28,251.85
Rs. 55.00		
mount Rs: 27,35,742.00		
is satisfactorily. Comp		
ed, the debris from		

Mhumbi

Assistant Engineer
Jayarayanapura Sub Division
B.B.M.P. Bangalore

M. A. R. 57 (Rule 116)
Measurement Book

No. B

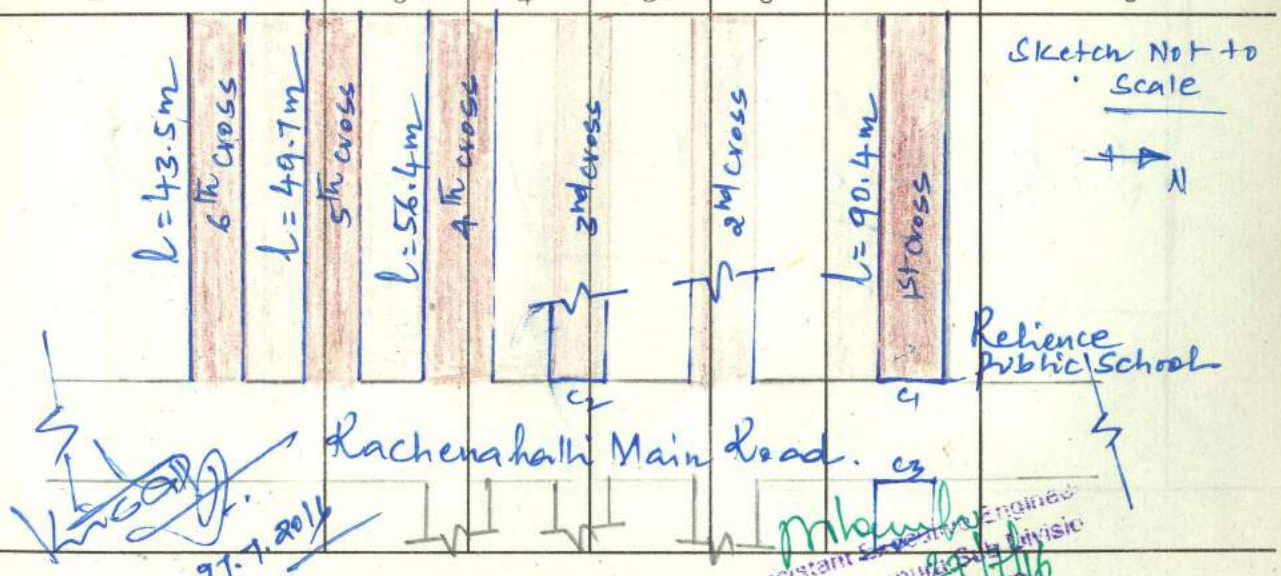
Serial No. .....

Name of Work ..... From..... To..... 262226

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8



27.7.2016

Assistant Engineer
Jayarayanapura Sub Division
B.B.M.P. Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					IT – 27360		
					RCC – 109438		
					Wall – 27360		
					CB – 2736		
					Roof – 41936 –		
					208830 =00		

27,35,940 =00

208830 =00

25,27,110 =00

Krishnamurthy

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency

Date of commencement of work .....

Date	Full description, etc, of work
1	2